



# भारत का राजपत्र

## The Gazette of India

प्राधिकार से प्रकाशित  
PUBLISHED BY AUTHORITY

सं० 48 ] नई दिल्ली, शनिवार, दिसम्बर 5, 1981 (अग्राहायण 14, 1903)  
No. 48] NEW DELHI, SATURDAY, DECEMBER 5, 1981 (AGRAHAYANA 14, 1903)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके  
(Separate paging is given to this Part in order that it may be filed as a separate compilation)

### भाग III—खण्ड 2

#### [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस  
[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE  
PATENTS AND DESIGNS

Calcutta, the 5th December 1981

APPLICATION FOR PATENTS FILED AT THE HEAD  
OFFICE-214 ACHARYA JAGADISH BOSE ROAD,  
CALCUTTA-700017

The dates shown in crescent brackets are the dates claimed  
under Section 135 of the Act.

29th October 1981

1205/Cal/81. Martin Engineering Company. Vibrational  
stress relief.

1206/Cal/81. Societe des Produits Nestle S. A. Canning pro-  
cess. (November 14, 1980).

1207/Cal/81. Permacel. Extrusion coating process.

30th October 1981

1208/Cal/81. Jeumont-Schneider. Control Circuit for the  
functioning by traction or braking of a D.C.  
Motor.

1209/Cal/81. Geophysical Company of Norway A.S.  
Method and apparatus for use in marine seismic  
data gathering.

1210/Cal/81. Diamond Shamrock Corporation. Three-  
Layer Laminated Matrix Electrode.

1211/Cal/81. Hoechst Aktiengesellschaft. Water soluble  
monoazo compounds, a process for their prepara-  
tion and their use as dyestuffs.

1212/Cal/81. Hoechst Aktiengesellschaft. Water-soluble  
disazo compounds, a process for their preparation  
and their use as dyestuffs.

31st October 1981

1213/Cal/81. F. L. Smidth & Co. A/S. Method and appa-  
ratus for burning of granulated or pulverous raw  
materials. (November 25, 1980).

1214/Cal/81. Stauffer Chemical Company. Trialkylsulfo-  
nium salts of N-Phosphonomethylglycine and  
their use as plant growth regulators and herbi-  
cides.

1215/Cal/81. Kumardhubi Fireclay and silica works limited.  
An alternate Method for the manufacturing of  
super-duty silica bricks.

1216/Cal/81. Sudhir Kumar Ghosh. Device for Transfer  
of Measured Volume of Liquid.

2nd November 1981

1217/Cal/81. Shri Subhajit Das. Potentiometric Recorder  
based on null detection principle.

1218/Cal/81. Monsanto Company. Process for separating a  
gas from a mixture of gases.

1219/Cal/81. The pittsburg & Midway Coal Mining Com-  
pany. Improved Coal Liquefaction Process.

1220/Cal/81. Wacker-Chemie GmbH. Process for the manu-  
facture of pure storage-stable acetoacetamide.

3rd November 1981

1221/Cal/81. Mitsui Toatsu Chemicals, Incorporated and  
Toyo Engineering Corporation. Process for  
separating nert gases.

1222/Cal/81. Nitoo Boseki Co., Ltd. Method of manufac-  
turing glass fibers.

- 1223/Cal/81. Crosby Valve & Gage Company. Valve Monitoring Device.
- 1224/Cal/81. Union Carbide Corporation. Preparation of aliphatic aldehydes from esters.
- 1225/Cal/81. Shell Internationale Research Maatschappij B. V. Removal of hydrogen sulphide and carbonyl sulphide from gaseous mixtures.

4th November 1981

- 1226/Cal/81. Snamprogetti S.p.A. Device for improving the resistance and the stiffness of a subsea conduit.
- 1227/Cal/81. Brown & Williamson Tobacco Corporation. Improved cigarette filter.
- 1228/Cal/81. Maschinenfabrik Rieter A.G. Spinning Machine, in particular ring spinning machine.
- 1229/Cal/81. Lanz Industrie-Technik AG. Rotary selector composed of at least two parts for construction of machines, engines and gear units and method for producing the same.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002

29th October 1981

- 200/Mas/81. P. B. Menon. A Condensor Type Fan with modified Electric Connections.

#### COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

"The classification given below in respect of each specification are according to Indian Classification and International Classification."

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2 (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 113-I. 149411.

Int. Cl.-H05b 37/00, 39/00.

#### AN ELECTRICAL DIPPER.

*Applicant & Inventor*: SURESH JAIN, OF FE-18, MALVIYA INDUSTRIAL AREA, JAIPUR-4, RAJASTHAN, INDIA.

Application No. 213/Del/78 filed March 21, 1978.

Complete specification left October 6, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

10 Claims.

An electrical dipper for use in conjunction with the manual dipper of vehicles comprising a pair of stationary or moving contacts a first of said contacts connected to a dipped lighting element, a second of said contacts connected to a full beam lighting element, said first contact adapted to be connected to the dipped beam contact of said manual dipper, said second contact adapted to be connected to a power

source through a switching circuit, said dipped lighting element adapted to be connected to the power source either through said dipped beam contact of the manual dipper or through said switching circuit.

Prov. Specn. 8 Pages. Comp. Specn. 12 Pages. Drg. 1 Sheet. Comp. Drg. 1 Sheet.

CLASS 65B & 127-I.

149412.

Int. Cl.-F16h 35/00.

#### APPARATUS FOR CAUSING STEPWISE SWITCHING OF TAP SWITCHES OF A TAPPED TRANSFORMER.

*Applicant*: MASCHINENFABRIK REINHAUSEN GEBRÜDER SCHEUBECK GMBH & CO. KG, OF 8, FALKENSTEINSTRASSE, 8400 REGENSBURG, FEDERAL REPUBLIC OF GERMANY.

*Inventors*: ALEXANDER BLFIBTREU AND JOHANN SCHALLER.

Application No. 267/Del/78 filed April 13, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

3 Claims.

Apparatus for causing stepwise switching of tap switches of a tapped transformer, the apparatus comprising a Geneva wheel provided with a plurality of notches each associated with a respective switching step, a first rocker carrying at one end thereof a Geneva dog which is arranged to engage any one of the notches, the other end of the rocker being guided in an elongate opening arranged radially of the Geneva wheel, an eccentric member arranged to move the rocker, crank means arranged to drive the eccentric member in such a manner that the Geneva dog describes an elliptical path on each revolution of the eccentric member, each switching step corresponding to rotation of the eccentric member, through 180°, resilient means articulated to the crank means and fixedly attached at one end thereof to provide a toggle action, rotary drive means arranged to drive the crank means to thereby so tension the resilient means for each switching step to be executed that the resilient means after passing its dead centre position drives the crank means independently of the drive means, and a second rocker arranged at one end thereof to be pivotable about a fixedly mounted spigot and carrying at its other end a locking member which is arranged to engage another one of the notches, the second rocker being so articulatedly connected with the first rocker that the locking member leaves the other one of the notches during the execution of the switching step.

Comp. Specn. 9 Pages.

Drg. 2 Sheets.

CLASS 36A1 & A3 & 163B & D.

149413.

Int. Cl.-F04d 29/34, 29/36.

#### AN AXIAL FAN HAVING AN IMPELLER WITH ANGULAR SETTABLE BLADES.

*Applicant*: AKTIEBOLAGET SVENSKA FLAKTEFABRIKEN, OF SICKLA ALLE, 1, 13100 NACKS, SWEDEN.

*Inventor*: EDGAR SATERDAL.

Application No. 331/Del/78 filed May 5, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

13 Claims.

An axial fan having an impeller with blades which are angularly settable for adjusting the pitch thereof, the root end of each blade connecting, via a bearing permitting rotation of the blade, to the outer end of a blade-attachment shaft extending substantially radially relative to the fan wheel, said shaft being rigidly connected at its inner end to a fan-wheel hub characterised in that the blade-attachment shaft is abutted against the radially outer side of the hub and is pre-stressed axially by compression.

Comp. Specn. 15 Pages.

Drg. 2 Sheets

CLASS 113-I.

149414.

Int. Cl.-H05b 37/00, 39/00.

#### AN ELECTRICAL DIPPER.

*Applicant & Inventor*: SURESH JAIN, OFFE-18, MALVIYA INDUSTRIAL AREA, JAIPUR-4, RAJASTHAN, INDIA.

Application No. 738/Del/78 filed October 6, 1978.

Division of Application No. 213/Del/78 filed October 6, 1978.

\*Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

#### 7 Claims.

An electrical dipper for use with vehicles comprising a pair of contacts, a first of said contacts connected to a first lighting element, a second of said contacts connected to a second lighting element, either one of said elements adapted to be connected at any one time to a power source through a switching circuit, a light dependant resistor or photoelectric cell connected to said switching circuit through an amplifier.

Comp. Specn. 10 Pages.

Drg. 1 Sheet.

CLASS 143D.

149415.

Int. Cl.-B65b 19/22, 85/10.

CONVEYOR FOR FEEDING PORTIONS OF SHEET MATERIAL, PARTICULARLY PRESHAPED OR PUNCHED PIECES OF CARBOARD OR THE LIKE TO A USER MACHINE PARTICULARLY A MACHINE FOR PACKAGING CIGARETTES INTO HINGED LID PACKETS.

*Applicant*: G. D. SOCIETA PER AZIONI, OF VIA POMPONIA 10, 40 133 BOLOGNA, ITALY.

*Inventor*: ENZO SERAGNOLI.

Application No. 641/Cal/77 filed April 28, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 6 Claims.

A conveyor for feeding portions of sheet material, particularly preshaped or punched pieces of cardboard or the like, to a user machine, particularly an intermittent machine for packaging cigarettes into hinged lid packets, the conveyor being of the type comprising an inlet station and an outlet station for said preshaped pieces, a support and slide surface for said preshaped pieces extending between said inlet station and said outlet station, a plurality of transverse elements defining with said support and slide surface a plurality of conveying compartments for said preshaped pieces, means for feeding said conveying compartments stepwise towards said outlet station, guide means disposed downstream of said inlet station to control the vertical position of the preshaped pieces inside the relative compartments along at least part of their feed path, and pneumatic extractor means associable with a vessel for preshaped pieces disposed above said inlet station to extract said preshaped pieces one at a time from a bottom aperture in said vessel and deposit them on said support and slide surface each into a respective conveying compartment disposed at said inlet station, and also comprising at least one guide element for said preshaped pieces, disposed at said inlet station and swinging to and from a working position in which it interferes with the falling path of said preshaped pieces from said vessel under the action of said extractor means, and operating means connected to said stepwise feed means and arranged to move said swinging guide element away from said working position as said extractor means descend towards said inlet station, and to return it there on termination of the descent.

Comp. Specn. 17 Pages.

Drg. 5 Sheets.

CLASS 37B.

149416.

Int. Cl-F16c 13/00.

PRESSURE RELIEF DEVICE FOR USE IN COMBINATION WITH THE ROTOR OF A NOZZLE TYPE CENTRIFUGAL MACHINE.

*Applicant*: DORR-OLIVER INCORPORATED, OF 77 HAVEMEYER LANE, STAMFORD, CONNECTICUT, UNITED STATES OF AMERICA.

*Inventor*: KENNETH DAN LEWIS.

Application No. 1086/Cal/77 filed July 14, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 11 Claims.

A pressure relief device for use in combination with the rotor of a nozzle type centrifugal machine having a threaded locking ring securing the cover section to the main body section of the rotor bowl against internal compression pressure exerted by a stack of separating discs confined between the top and bottom of the rotor bowl, and concentrically surrounding the rotor shaft, said shaft extending from said main body section through the open end of said cover section, characterized by said pressure relief device being located within the area surrounded by said locking ring, comprising force imparting means cooperatively associated with the upwardly exposed end portion of said shaft and with said cover section, said force imparting means being constructed and arranged to be operable so that said force imparting means impose a tension force upon said shaft and a corresponding reaction pressure upon said cover section, said interacting forces forcing said sections towards each other and against the internal pressure of said separating discs, thereby relieving said locking ring from said internal pressure during assembly or disassembly of the rotor bowl.

Comp. Specn. 19 Pages.

Drg. 5 Sheets.

CLASS 24B & F.

149417

Int. Cl.-F16d 65/12.

BRAKING DISC WITH REPLACEABLE LININGS, FOR DISC BRAKES.

*Applicant & Inventor*: ANTONIO POLI, OF PIAZZA MATTEOTTI 10-ROMANENGO (CREMONA), ITALY.

Application No. 1087/Cal/77 filed July 14, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 11 Claims.

A braking disc for disc-brakes, comprising a central driving hub mounted on the shaft to be braked and two braking linings removably applied to said hub, characterized in that the hub has, radiussed to its body, a large-diameter flange perpendicularly fixed to the hub axis and on the two side surfaces of which there are arranged the gilled braking linings, in that said flange of the hub and said annular linings are fitted with mutual engagement and drive means, and that union means are provided for uniting said annuli together so as to form a single entity to be guided axially and radially by the hub flange, passageway means being further provided for the flow of the centrifuged air between the internal gilled faces of the annular linings and the surfaces of the hub flange.

Comp. Specn. 14 Pages.

Drg. 4 Sheets.

CLASS 175H.

149418.

Int. Cl.-F16j 9/00.

A SLIP LATCH IN COMBINATION WITH A CIRCULAR SPACER-EXPANDER FOR USE IN A PISTON OIL CONTROL RING.

*Applicant*: SEALED POWER CORPORATION, OF 2001 SANFORD STREET, MUSKEGON, MICHIGAN 49443, UNITED STATES OF AMERICA.

*Inventor*: LEWIS MARSHALL DAVIS.

Application No. 1497/Cal/77 filed October 11, 1977.

Convention date July 19, 1977/(283, 103/77) Canada.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 8 Claims.

A slip latch in combination with a circular spacer-expander for use in a piston oil control rings, in which the spacer-expander has parted ends and includes a plurality of alternating concentric circumferentially spaced inner and outer crowns integrally interconnected by a plurality of generally diverging legs, oil drain openings being formed one in each of said legs, and in which the slip latch comprises a curved rod whose radius of curvature is equal to or less than the free-state radius of curvature of said spacer-expander, a first end

of said rod extending through at least one of said leg oil drain openings adjacent one end of said spacer-expander and having means formed thereon between spacer-expander legs to limit or prevent sliding of said first latch end in said spacer-expander, characterised in that the second end of said rod extends through a plurality of said leg oil drain openings in the opposing spacer-expander end over an arc of at least seventy-five degrees in said free-state of said spacer-expander and is free to slide through said plurality of leg oil drain openings.

Comp. Specn. 13 Pages.

Drg. 1 Sheet.

CLASS 175H.

149419.

Int. Cl.-F16j 9/00.

**SLIP LATCH IN COMBINATION WITH A CIRCULAR SPACER-EXPANDER FOR USE IN A PISTON OIL CONTROL RING.**

*Applicant*: SEALED POWER CORPORATION, OF 2001 SANFORD STREET, MUSKEGON, MICHIGAN 49443, UNITED STATES OF AMERICA.

*Inventor*: LEE HENRY SAYLOR.

Application No. 1498/Cal/77 filed October 11, 1977.

Convention date July 19, 1977/(283075/77) Canada.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims.

A slip latch in combination with a circular spacer-expander for use in a piston oil control ring, in which the spacer-expander has parted ends and comprises a plurality of alternating concentric circumferentially spaced inner and outer crowns integrally interconnected by generally diverging legs, oil drain openings being formed one in each of said legs, and in which the slip latch comprises a curved rod whose radius of curvature is equal to or less than the freestate radius of curvature of said spacer-expander, a first end of said rod extending through at least one of said leg oil drain openings adjacent one end of said spacer-expander and having means formed thereon between adjacent spacer-expander legs to limit or prevent sliding of said first latch end in said spacer-expander, the second end of said rod extending through a plurality of said leg oil drain openings in the opposing spacer-expander end and being free to slide through said plurality of leg oil drain openings characterized in that second rod end terminates in an inwardly directed bevelled face to permit said second end to ride over opposing edges of said plurality of leg oil drain openings.

Comp. Specn. 15 Pages.

Drgs. 2 Sheets

CLASS 175H.

149420.

Int. Cl.-F16j 9/00.

**A PARTED CIRCULAR SPACER-EXPANDER FOR USE IN A PISTON OIL CONTROL RING.**

*Applicant*: SEALED POWER CORPORATION, OF 2001 SANFORD STREET, MUSKEGON, MICHIGAN 49443, UNITED STATES OF AMERICA.

*Inventor*: LEE HENRY SAYLOR.

Application No. 1499/Cal/77 filed October 11, 1977.

Convention date July 19, 1977 (283104/77) Canada.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

A parted circular spacer-expander for use in a piston oil control ring and comprising a plurality of alternating concentric circumferentially spaced inner and outer crowns, integrally interconnected by generally diverging spring legs, and a plurality of supporting pads, the inner edge of each pad being integrally connected by a pad leg to a respective inner crown and the outer edge of each pad being disposed outwardly of said outer crowns, characterised in that each of said pad legs has a reverse bend extending radially inwardly

and then radially outwardly from the respective inner crown to the respective pad.

Comp. Specn. 9 Pages.

Drg. 1 Sheet.

CLASS: 175H.

149421.

Int. Cl.-F16j 1/00.

**METHOD OF FINISHING A PISTON PIN BORE IN A PISTON AND THE PISTON HAVING THE PIN BORE SO FINISHED.**

*Applicant*: DANA CORPORATION, OF 4500 DORR STREET, TOLEDO, OHIO 43697, UNITED STATE OF AMERICA.

*Inventor*: DAVID FRANCIS FIEDLER.

Application No. 1752/Cal/77, filed December 20, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A method of finishing a piston pin bore in a piston comprising the steps of prestressing the bore, enlarging the diameter of at least one end portion of the bore, and smoothing the bore, wherein said steps of prestressing, enlarging and smoothing are accomplished substantially simultaneously by roll burnishing and wherein the bore diameter is enlarged not more than 0.004 inches.

Comp. Specn. 11 Pages.

Drg. 1 Sheet.

CLASS 98G.

149422.

Int. Class.

**PRESSURE STAGED HEAT EXCHANGER.**

*Applicant*: INTERNATIONAL POWER TECHNOLOGY, INC., OF 260 SHRIDEN AVENUE, SUITE 414 PALO ALTO, CALIFORNIA 94306, U.S.A.

*Inventor*: DAH YU CHENG.

Application No. 12/Cal/78 filed January 3, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims.

A pressure staged heat exchanger for improving the transfer of energy from a first to a second fluid travelling in counter-current paths comprising:

- A. means for preheating the second fluid from its temperature at its entrance to the heat exchanger to a temperature wherein said second fluid enters thermodynamic transition at a pressure substantially below the exit pressure of said second fluid from the heat exchanger,
- B. low pressure evaporator means to cause the second fluid to reach a state of partial thermodynamic transition,  $Z_0$ ,
- C. means to increase the pressure of the second fluid to a point which substantially equals the final exit pressure of said second fluid, and
- D. high pressure evaporator means to cause the second fluid to enter a second thermodynamic transition.

Comp. Specn. 31 Pages.

Drgs. 6 Sheets.

CLASS 166A.

149423.

Int. Cl. B 63 1/00.

**SHIP HULL.**

*Applicant*: STOCZNIA SZCZECINSKA IM. ADOLFA WARSKIEGO SZCZECIN, UL. HUTNICZA 1, POLAND.

*Inventors*: MAREK NOWAK, JERZY PISKORZ-NALECKI, ALEKSANDER SIWEK, ANDRZEJ SLIWEZYNSKI AND JACEK SZAFRANSKI.

Application No. 70/Cal/78, filed January 19, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 4 Claims.

A hull of sea-going or river ship, formed on the basis of a basic hull from a group of hulls with similar principal dimensions, characterized in that it has the aft part with fixed and constant shape and dimensions, connected to the mid-part length of which, combined with the length of the standard forward part, is within 3 to 8 times the length of the standard aft part and the largest beam of the mid-part is 1 to 1.3 times of the largest beam of the said aft part both when measured at the load water line, the distance from the contact line plane of the aft part shell and mid-part shell to the aft perpendicular is within 0.5 to 2 times the basic hull beam of the ship in which the combined length of the said forward and mid-part joined together is equal to 3 times the length of the said aft part, and the smallest beam of the forward part is equal to the aft part beam measured at the load water line and the distance from the contact line of the forward part shell and the mid-part shell to the forward perpendicular is 0.25 to 1.5 of the ship's basic hull beam, the profiles of the contact line of the aft part shell and the mid-part shell lie in planes perpendicular to the ship's centre plane and are inclined at an angle of 30° to 90° in relation to the ship's base plane.

Comp. Specn. 9 Pages. Drgs. 2 Sheets.  
CLASS 85K. 149424.  
Int. Cl.-F23b 1/38.

A FURNACE SYSTEM FOR FIRING PULVERISED COAL IN A STEAM GENERATOR.

*Applicant*: COMBUSTION ENGINEERING, INC., OF 1000 PROSPECT HILL ROAD, WINDSOR, CONNECTICUT, UNITED STATES OF AMERICA.

*Inventor*: THOMAS HENRY COOPER.

Application No. 308/Cal/78 filed March 21, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 7 Claims.

A furnace system for firing pulverised coal in a steam generator that includes a furnace, a main coal nozzle arranged to direct coal into the furnace, an air preheater having a flue-gas inlet, an air inlet, and an air outlet and being connected to receive flue gases from the furnace at its flue-gas inlet and transfer heat from the flue gas to air entering the air inlet and leaving the air outlet, at least one pulveriser, conduit means connected to conduct coal from at least one of the pulverisers outlet to the main coal nozzle, means for forcing a first air stream through the preheater from its air inlet to its air outlet and from the air outlet through the pulverisers and into the main coal nozzle, and means for forcing a second air stream from the preheater outlet into the furnace, the improvement comprising:

- (a) an ignitor nozzle positioned for ignition of coal leaving the coal nozzle;
- (b) a separator for separating coal from air;
- (c) means for conveying coal mixed with air from one of said pulverisers to the separator;
- (d) means for conveying coal from the separator to the ignitor nozzle;
- (e) means for heating a third air stream from a source other than said combustion products;
- (f) means for causing the third air stream to flow to the furnace at the ignitor nozzle; and
- (g) a lighter, positionable near the outlet of the ignitor nozzle, for igniting coal issuing from the ignitor nozzle.

Comp. Specn. 16 Pages. Drgs. 2 Sheets.  
CLASS 190B. 149425.  
Int. Cl.-F02c 7/00.

GASTURBINE PARTICULARLY EXHAUST GAS SUPER TURBOCHARGER.

*Applicant*: AKTIENGESELLSCHAFT KUHNLE, KOPP & KAUSCH OF FRIEDRICH-EBERT-STR. 16, 6710 FRANKENTHAL PFALZ, FEDERAL REPUBLIC OF GERMANY.

*Inventor*: HELMUT BROBECK.

Application No. 562/Cal/78 filed May 25, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 8 Claims.

Gasturbine, especially as exhaust gas turbosupercharger, with a turbine wheel and a shaft of a heat-resistant non-metallic material, especially of ceramic material characterised in that the non-metallic shaft is externally lined by a metallic hollow shaft in the form of a jacket that the hollow shaft extends over the entire length of the non-metallic shaft and in the external outline carries the shaped elements for sealing and bearing, and that the non-metallic shaft has a length of at least three times its largest diameter.

Comp. Specn. 17 Pages. Drgs. 3 Sheets  
CLASS 61C. 149426.  
Int. Cl.-F26b 3/16, 21/00, 23/02, 11/02.

METHOD AND APPARATUS FOR DRYING PARTICULATE MATERIAL.

*Applicant*: PHILLIPS PETROLEUM COMPANY, OF BARTLESVILLE, STATE OF OKLAHOMA, UNITED STATES OF AMERICA.

*Inventor*: OLIVER KENNETH AUSTIN.

Application No. 1203/Cal/78, filed November 7, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 8 Claims.

A method of drying particulate material, which comprises introducing particulate material to be dried into a drying zone of a drum, moving said particulate material along the length of said drum from an inlet end to an outlet end of said drum, flowing a first portion of a heating medium around the exterior of said drum in a heating zone and a second portion of the heating medium through a tubular member positioned within said drum and in said drying zone thereby heating the particulate material in the drying zone and drying the particulate material, and discharging the thus dried particulate material from the drum, wherein said heating medium is introduced tangentially of the exterior of one end of the drum and is removed adjacent the exterior of the other end of the drum so that said medium is caused to follow a vortex path along a substantial portion of the length of said drum toward said outlet end.

Comp. Specn. 14 Pages. Drg. 1 Sheet.  
CLASS 24B. 149427.  
Int. Cl. F-16d 55/00.

IMPROVEMENTS RELATING TO TWIN-PIN SLIDING CALIPER DISC BRAKES.

*Applicant*: LUCAS INDUSTRIES LTD., GREAT KING STREET, BIRMINGHAM 19, ENGLAND.

*Inventors*: (1) HEINRICH BERNHARD RATH, (2) HANS JURGEN WIENAND.

Application No. 14/Mas/80 filed January 18, 1980.

Convention date 25-1-1979 (No. 7902702 United Kingdom).

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

## 12 Claims.

A twin-pin sliding caliper disc brake comprising a caliper and a torque taking member, the caliper being slidably mounted on the torque taking member on two parallel pins, one pin being fixedly secured to the torque taking member so that it is immovable relative to the torque taking member and

the other pin being secured to the torque taking member so as to be movable to a limited extent.

Comp. Specn. 20 Pages.

Drgs. 9 Sheets.

CLASS 86B.

149428.

Int. Cl.-A47c 3/029.

IMPROVEMENTS IN AND RELATING TO WORK SEAT ASSEMBLY.

*Applicant & Inventor*: PARVATHYA KANDASWAMI, 1, ANNA NAGAR, III STREET, TIRUVANNAMALAI-606601, TAMIL NADU.

Application No. 17/Mas/80 filed January 22, 1980.

Complete specification left January 20, 1981.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

5 Claims.

A work seat assembly comprising an arched rear leg fixedly held on a straight front leg and a seat; each of the said legs being provided with rockers and are held securely together by means of an arched brace.

Prov. 1 Page. Comp. Specn. 4 Pages. Drgs. 1 Sheet.

CLASS 98G & 182C.

149429.

Int. Cl.-C13j 1/08 & F28d 7/00 & 9/00.

AN APPARATUS FOR ENHANCED RECOVERY OF SUGAR FROM FINAL MASSECUTES BY TRANSIENT HEATING.

*Applicant & Inventor*: KADARUNDALIGE SITARAM-DAS GURURAJA DOSS, NO. 8, BALARAM ROAD, ADYAR, MADRAS-600 020, TAMIL NADU.

Application No. 170/Mas/79 filed September 10, 1979.

Complete specification left November 25, 1980.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

3 Claims.

An apparatus for enhanced recovery of sugar from massecutes by transient heating, comprising a feed chamber leading to heat exchanger housed within a manifold having means for regulated supply of steam or hot water therethrough, the said heat exchanger, terminating in a hopper discharge, provided with valve means to regulate the flow of massecutes through the heat exchangers, so as to ensure low retention time and controlled intermingling.

Prov. 3 Pages. Comp. Specn. 3 Pages. Drgs. 1 Sheet.

CLASS 132A..

149430.

Int. Cl.-01f, 7/00.

MIXING APPARATUS

*Applicant*: NAUTAMIX PATENT A.G., 12, ALPENSTRASSE, ZUG, SWITZERLAND.

*Inventor*: CONSTANT JOHAN MAUTA.

Application No. 137/Bom/1977 filed on April 15, 1977.

Convention date March 1, 1977/(8499/77) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay.

12 Claims.

A mixing apparatus comprising a mixing vessel, a mixing screw member, bearing assembly journalling the screw member in the bottom portion of said vessel, and drive means operable to drive the screw member simultaneously in rotation about its own axis and in orbit about a vessel axis, said bearing assembly comprising a pin which is secured to the bottom wall of the vessel and which extends into a socket in the lower end portion of the screw member, and at least one temperature sensor associated with said bearing assembly to provide an indication of the temperature thereof.

Comp. Specn. 6 Pages.

Drgs. 2 Sheets.

CLASS 179C.

149431.

Int. Cl. B65d 53/00.

PILFER-PROOF CLOSURE AND CONTAINER ASSEMBLY AND A METHOD FOR THE MANUFACTURE THEREOF.

*Applicant*: SHASHIKANT GOPAL KELUSKAR AND BRITANNIA INDUSTRIES LIMITED (INDIA).

*Inventors*: (1) VIJAY KUMAR VARMA (2) SHASHIKANT GOPAL KELUSKAR.

Application No. 58/BOM/78 filed on March 1, 1978.

Comp. after prov. left October 27, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay.

19 Claims.

A pilfer-proof closure and container assembly comprising a container having an opening adapted to be closed by means of a lid said lid having an upper surface the periphery of which coincides with or extends radially outward of the opening of the container and a closure member of substantially 'U' shape section composed of a base and two substantially vertical side walls, said 'U' section member being secured along the periphery of the container lid with one side wall thereof bent radially inward in contact with only part of the surface of the lid and the other side wall of the 'U' section member folded downwards over the periphery of the lid in contact with the container body to provide a seal between the lid and the container.

Provisional specification 3 Pages.

Drawing Nil.

Complete specification 11 pages.

Drawing 1 Sheet.

CLASS 32F<sub>1</sub> + 32F<sub>2</sub>b.

149432.

Int. Cl.-07d 57/00.

A PROCESS FOR PREPARING PYRIMIDO (6, 1-a) ISOQUINOLIN-4-ONE DERIVATIVES.

*Applicant*: HOECHST PHARMACEUTICALS LIMITED, OF HOECHST HOUSE, NARIMAN POINT, 193, BACKBAY RECLAMATION, BOMBAY-400 021 MAHARASHTRA, INDIA, AN INDIAN COMPANY.

*Inventors*: (1) DR. BASI LAL, (2) ADOLF D'SA, (3) DR. NOEL JOHN DE SOUZA AND (4) DR. HORST DORNAUER.

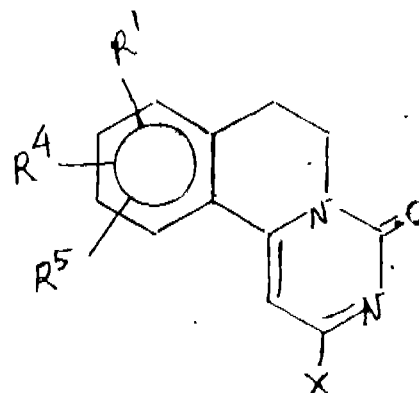
Application No. 169/BOM/78 filed on June 7, 1978.

Complete specification after Provisional left on June 25, 1979.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Bombay Branch.

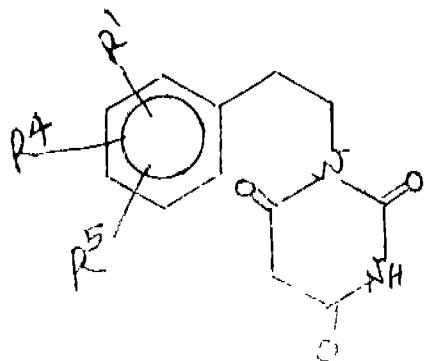
4 Claims.

A process for preparing pyrimido (6, 1-a) isoquinolin-4-one derivatives of the formula I



shown in the drawings accompanying this specification, wherein R<sup>1</sup>, R<sup>4</sup> and R<sup>5</sup> stand for hydrogen, hydroxy, lower alkoxy or halogen, any two of R<sup>1</sup>, R<sup>4</sup> and R<sup>5</sup> when in adjacent positions and taken together form a methylenedioxy or an ethylenedioxy group, and X represents a halogen atom,

which process comprises reacting a barbituric acid derivative of the formula III



shown in the drawing accompanying this specification, wherein  $R^1$ ,  $R^4$  and  $R^5$  are as defined above with an inorganic acid halide such as herein described.

Provisional specification 7 Pages.

Drawing 1 Sheet.

Complete specification 7 Pages.

Drawing 1 Sheet.

CLASS 32F, 32F<sub>2</sub>b.

149433.

Int. Cl.-C07d 51/48.

AN IMPROVED PROCESS FOR THE PREPARATION OF QUINOXALIN-2(1H) ONES FROM 3, 4-DIHYDRO-QUINOXALIN-2 (1H) ONES.

*Applicant*: GHARDA CHEMICALS PRIVATE LIMITED, 48, HILL ROAD, BANDRA, BOMBAY-400 050, MAHARASHTRA, INDIA.

*Inventors*: (1) ASHOK KUMAR MAGANLAL MALTE, (2) SHANTARAM GOVIND KANE.

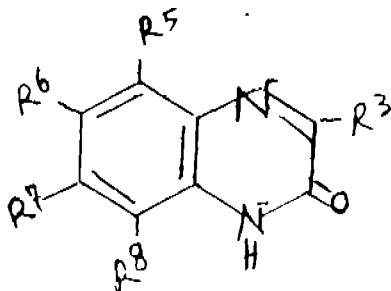
Application No. 207/BOM/78 filed on July 13, 1978.

Complete specification left after provisional on August 1, 1979.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent office, Bombay Branch.

7 Claims.

An improved process for the preparation of quinoxalin-2 (1H) one of the formula I

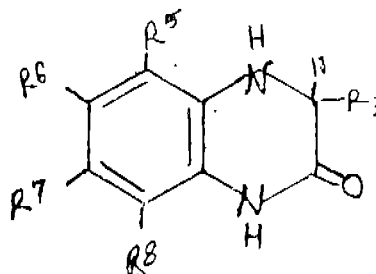


shown in the drawings accompanying the provisional specification, wherein.

- (a)  $R_2$ ,  $R_6$ ,  $R_8$ ,  $R_7$  and  $R_5$  each represents hydrogen or
- (b)  $R_3$ ,  $R_6$ ,  $R_7$  and  $R_8$  each represents hydrogen when  $R_5$  represents  $\text{CO}_2\text{H}$  or
- (c)  $R_3$ ,  $R_6$ ,  $R_8$  and  $R_7$  each represents hydrogen when  $R_5$  represents chlorine or
- (d)  $R_6$ ,  $R_8$ ,  $R_7$  and  $R_5$  each represents hydrogen when  $R_3$  represents a phenyl or
- (e)  $R_6$ ,  $R_8$  and  $R_5$  each represents hydrogen when  $R_7$  represents bromine and  $R_3$  represents  $\text{CH}_3$  or
- (f)  $R_6$ ,  $R_7$  and  $R_8$  each represents hydrogen when  $R_5$  represents bromine and  $R_3$  represents  $\text{CH}_3$  or

(g)  $R_2$ ,  $R_6$ ,  $R_8$  and  $R_7$  each represents hydrogen, when  $R_5$  represents  $\text{CO}_2\text{H}$

which comprises oxidising a corresponding 3, 4-dihydroquinoxalin-2(1H) one of the formula II



shown in the drawings accompanying the provisional specification wherein  $R_3$ ,  $R_6$ ,  $R_8$ ,  $R_7$  and  $R_5$  are as defined above in an alkaline medium in the presence of molecular oxygen at a temperature between  $25^\circ$  to  $80^\circ\text{C}$ , and recovering the product from the resulting solution in a known manner.

Provisional specification 6 Pages.

Drawing 1 Sheet.

Complete specification 9 Pages.

Drawing Nil.

CLASS 80E + I.

149434.

"CERAMIC PETROL FILTER FOR USE IN AUTOMOBILE".

*Applicant & Inventor* (MRS.) SHARAYU SHARAD PATHAK 595, SHANIWAR PETH, PUNE-411030, MAHARASHTRA, INDIA.

Application No. 7/BOM/79, filed January 9, 1979.

Complete Specification left January 29, 1979.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

A ceramic petrol filter for use in automobile comprising a main cylindrical body having an inlet, connected to the fuel tank and an outlet connected to the carburettor, characterised in that there is provided a ceramic porous element having fine pores (60 to 100 microns) fixed inside the said cylindrical body, thereby dividing it into a first and a second compartment; a breather tube provided in one of the compartments for avoiding formation of air lock; a septum or cavity provided in the said first compartment for settling impurities by sedimentation when the petrol which enters the compartment overflows it; further the said ceramic filter element is in the form of a cup, or flat or convex disc or spherical in shape.

Provisional specification 3 Pages.

Drawing 1 Sheet.

Complete specification 4 Pages.

Drawing 1 Sheet.

CLASS 49G.

149435

Int. Cl.-A-47j 37/08.

"A BREAD TOASTER".

*Applicant & Inventor*: NIK KANTHA DATTATRAYA SANE, GURU NIWAS, PLOT NO. 35 (EAST), SION HOUSING SOCIETY, SION, BOMBAY-400 022, MAHARASHTRA, INDIA.

Application No. 127/BOM/79 filed May 9, 1979.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

1 Claim.

A bread toaster comprising a hollow structure in the shape of frustum of pyramid with a flattened base, all the inclined sides of the said toaster being provided with horizontal slots to act like flutes, a support or cradle for holding a bread slice so as to remain little away from the said sides of the toaster; the top of the said toaster is either closed or provided with

a slotted plate and a cradle or support such that the slice placed at the top does not directly touch the plate; the arrangement being such that the bread slices when placed on the sides and the top are simultaneously roasted.

Complete specification 4 Pages. Drawing 1 Sheet.

CLASS 127G. 149436

Int. Cl. F16h 9/08.

**'A VARIABLE SPEED FRICTION BELT DRIVE FOR LOW POWER TRANSMISSION'.**

*Applicant & Inventor:* BHIKAJI LAXMAN CHAKRADEO, 1467, SADASHIV PETH, SHRI DATTAGURU PRASAD APARTMENTS, PUNE-411 030, MAHARASHTRA, INDIA.

Application No. 163/BOM/1979 filed on June 1, 1979.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

1 Claim.

A variable speed friction belt drive for low power transmission, comprising a set formed of an upper and lower frustum shaped pulleys each mounted on a shaft having a drum pulley and mounted on a sturdy frame work one above the other but in reversed order, such that their outer edges give an appearance of a parallelogram, the said shaft of upper pulley is mounted in ablong bearing housing to provide upward movement of the pulley to facilitate shifting of the belt; characterised in that there is provided a friction belt in between the two frustum shaped pulleys and a belt shifting means in the form of a rod and guide for the belt for shifting the position of the belt to obtain variable speed for the upper pulley.

Complete Specification 5 Pages. Drawing Sheet 1.

CLASS 194C<sub>1</sub> (A & C) 149437.

Int. Cl. H01j 19/00.

**AN IMPROVED FLUORESCENT LAMP.**

*Applicants:* NALLAKARUPPAN MUTHIAH & NALLAKARUPPAN SUBBIAH, N.P.L.N. HOUSE, VENTHANPATI P.O., PUDUKKOTTAI DISTRICT, TAMIL NADU.

*Inventor:* NALLAKARUPPAN MUTHIAH.

Application No. 58/Mas/79 filed April 20, 1979.

Complete specification left April 21, 1980.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

3 Claims.

An improved fluorescent lamp comprising a tube, the inner wall of which is coated with phosphor and which is filled with an inert gas, each end of said tube being provided with an electrode coated with electron emitting material.

Prov. 5 Pages. Comp. Specn. 6 Pages. Drgs. 1 Sheet.

CLASS 143D<sub>1</sub>. 149438.

Int. Cl. B65b 19/04.

**CONVEYOR FOR FEEDING PORTIONS OF SHEET MATERIAL, PARTICULARLY PRESHAPED OR PUNCHED PIECES OF CARDBOARD AND THE LIKE, TO A USER MACHINE, PARTICULARLY TO A MACHINE FOR PACKAGING CIGARETTES INTO HINGED LID PACKETS.**

*Applicant:* G. D. SOCIETA PER AZIONI, OF VIA POMPONIA 10, 40 133 BOLOGNA, ITALY.

*Inventor:* ENZO SERAGNOLI.

Application No. 640/Cal/77, filed April 28, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A continuous belt conveyer for step feeding portions of sheet material, particularly preshaped or punched pieces of cardboard or the like, to a user machine: said belt conveyer

being configured so as to define conveying compartments each adapted to accommodate a respective one of the pieces, and comprising at least two parallel spaced, endless toothed belts having coplanar conveying runs and each being wound around a respective pair of gear wheels: a beam extending longitudinally between the or each pair of adjacent belts and having an upper flat surface arranged above said belts and defining a support for said pieces to be advanced; and tie bars connecting said belts together to define said conveying compartments, a portion of each said tie bar extending over the beam(s) to bridge the same.

Comp. Specn. 13 Pages.

Drgs. 2 Sheets

CLASS 143D<sub>1</sub>. 149439.

Int. Cl. B65b 19/04.

**CONVEYING UNIT FOR FEEDING PORTIONS OF SHEET MATERIAL, PARTICULARLY PRESHAPED OR PUNCHED PIECES OF CARDBOARD OR THE LIKE, TO A USER MACHINE, PARTICULARLY A MACHINE FOR PACKAGING CIGARETTES INTO HINGED LID PACKETS.**

*Applicant:* G. D. SOCIETA PER AZIONI, OF VIA POMPONIA 10, 40 133 BOLOGNA, ITALY.

*Inventor:* ENZO SERAGNOLI.

Application No. 643/Cal/77, filed April 28, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

A conveying unit for feeding portions of sheet material, particularly preshaped or punched pieces of cardboard or the like, to a user machine, particularly a machine for packaging cigarettes into hinged lid packets, the conveying unit being of the type comprising two conveyors forming a contained angle substantially of 90° for disposing between said machine and an accumulation store for said preshaped pieces, and each comprising a support and slide surface for said preshaped pieces and means for feeding these latter stepwise along said surface, and in which an outlet station of a first of said conveyors is connected to an inlet station of the second conveyor by way of transfer means arranged to transfer the preshaped pieces from said first to said second conveyor, wherein the support and slide surface of said second conveyor is disposed at a higher level than that of the first, and said transfer means comprise lifting means which move with reciprocating motion through the support and slide surface of said first conveyor at said outlet station to raise the preshaped pieces one by one to the level of the support and slide surface of said second conveyor, mobile support means disposed above said outlet station to support each preshaped piece in said raised position, and pusher means mobile with reciprocating motion above said outlet station to and from said inlet station to laterally engage with each of said preshaped pieces in said raised position and thrust it on to said inlet station.

Comp. Specn. 15 Pages.

Drgs. 3 Sheets.

CLASS 98E & 206E. 149440.

Int. Cl. H01b 15/02, 15/06, 15/08.

**PHOTOCHEMICAL DIODES.**

*Applicants:* ALLIED CORPORATION FORMERLY KNOWN AS ALLIED CHEMICAL CORPORATION, OF COLUMBIA ROAD AND PARK AVENUE MORRIS TOWNSHIP, MORRIS COUNTY, NEW JERSEY 07960, UNITED STATES OF AMERICA.

*Inventor:* ARTHUR J. NOZIK.

Application No. 1292/Cal/77, filed August 18, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

A photochemical diode comprising two portions, a first portion comprising at least one appropriately doped p-type semiconductor material provided with an ohmic contact over a portion thereof and a second portion comprising at least



one appropriately doped n-type semiconductor material provided with an ohmic contact over a portion thereof and joined to said first portion through both said ohmic contacts.

Comp. Specn. 31 Pages.

Drgs. 4 Sheets.

#### LIST OF PATENT AGENTS

The following persons have been registered as Patent Agents under the provisions of Section 126 of the Patents Act, 1970 :—

1. Shri Devadoss Calab Gabriel, Messrs. Remfry & Son, Kanchenjunga, 18, Barakhamba Road, New Delhi-110 001.
2. Shri T. P. Srinivasan, Messrs. DePenning & DePenning, 10, Government Place, East, Calcutta-700 069.
3. Shri A. Gabriel, Messrs. Remfry & Son, Kanchenjunga, 18, Barakhamba Road, New Delhi-110 001.
4. Shri B. P. Alvares, Messrs. Remfry & Son, Kanchenjunga, 18, Barakhamba Road, New Delhi-110 001.

#### PATENTS SEALED

141796 142490 146756 146904 147844 147923 147970 147972  
147996 148058 148086 148087 148097 148105 148267 148282  
148321 148325 148385 148402 148410 148428 148490 148498  
148500 148501 148502 148505 148506 148509

#### Amendment Proceeding Under Section 57

The amendments proposed by Instytut Przemysłu Organicznego of Annapol Str., Warszawa, Poland and Politechnika Wroclawska of Wybrzeze Wyspianskiego Str., 27 Wroclaw, Poland in respect of patent application No. 147924 as advertised in part III, section 2 of the Gazette of India dated the 4th April, 1981 has been allowed.

#### PATENTS DEEMED TO BE ENDORSED WITH THE WORDS "LICENCES OR RIGHT"

The following patents are deemed to have endorsed with the words "Licences of right" under Section 87 of the Patents Act, 1970. The dates shown in the crescent brackets are the dates of the patents.

No.	Title of the invention
143195 (09-01-75)	Process for preparing acidone.
143203 (15-10-73)	Process for the production of glucose isomerase.
143235 (10-05-76)	Production of ceramic products for construction purposes.
143256 (09-12-74)	A process for preparing disazo compounds.
143271 (13-08-74)	Continuous carbonization and gasification of particulate coal with double recirculation of fluidised particulate heat carrier and an apparatus thereof.
143274 (29-03-75)	Process for the synthesis of substituted indolevines.
143287 (22-04-75)	Surface modifying of metal oxide catalysts.
143292 (19-05-75)	Process for separating butadiene from C4 hydrocarbon streams.
143470 (27-06-75)	Process and apparatus for the production of combustible gas from waste material.

#### RENEWAL FEES PAID

106114 106175 106282 106401 107543 108034 108144 108175  
108424 108524 111344 111380 111555 111677 112538 113007  
113008 113025 113026 113044 113084 113120 113211 113219  
113351 113381 113382 113986 113987 114048 114519 114802  
116437 116567 116845 118239 118375 118413 118414 118415  
118493 118501 118524 118618 118685 118720 119080 122091  
122314 122928 123205 123444 123852 123894 123933 124037  
124162 124443 125010 126117 128448 128679 129119 129137  
129138 129225 129239 129260 129263 129273 129289 129302  
129325 129336 129349 129378 129389 129400 129438 129487  
129497 129562 129648 129649 130926 131313 131315 131316  
131349 131350 133922 132387 132388 132629 132761 132847  
133114 133443 133451 133452 133453 133454 133481 133482  
133483 133538 133578 133625 133669 133798 133843 133913  
134027 134028 134092 134441 135110 135284 135319 135472  
135757 136215 136457 136834 136867 137046 137104 137137  
137140 137166 137181 137238 137275 137380 137428 137440  
137526 137599 137610 137655 137686 137786 137965 138042  
138088 138130 138133 138152 138433 138501 139182 139257  
139542 139745 139835 140005 140027 140284 140346 140436  
140547 140669 140893 140918 140978 141116 141164 141170  
141234 141245 141360 141449 141453 141454 141539 141540  
141592 141594 141621 141772 141780 141878 141941 141978  
142016 142102 142228 142278 142542 142571 142690 142802  
142803 143039 143081 143177 143205 143214 143378 143413  
143580 143619 143625 143630 143636 143751 143774 143958  
143968 143969 144024 144214 144380 144480 144503 144539  
144622 144665 144677 144717 144735 144794 144910 144938  
145062 145063 145128 145134 145272 145360 145404 145405  
145478 145493 145648 145937 145948 145966 146032 146062  
146074 146097 146172 146208 146224 146258 146282 146307  
146363 146420 146449 146482 146517 146555 146596 146601  
146632 146650 146695 146760 146828 146864 146875 146876  
146883 147018 147034 147132 147144 147149 147156 147159  
147163 147183 147187 147236 147277 147279 147329 147444  
147533 147545 147556 147603 147640 147641 147647 147657  
147664 147692 147694 147695 147735 147751 147764 147800  
148331 148332 148384

#### CESSATION OF PATENTS

100831 100844 100857 100860 100861 100910 100922 100923  
100948 100949 100954 100955 100970 100975 100994 101012  
101013 101016 101023 101024 101025 101055 101071 101083  
101088 101097 101138 101139 101140 101193 101194 101200  
101259 101271 101297 101300 101301 101310 101311 101313  
101340 101347 101367 101376 101398 101423 101441 101456  
101468 101469 101491 101495 101512 101532 101566 101574  
109857 119118 147830

#### RESTORATION PROCEEDINGS

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 147285 granted to Rathi Industrial Equipment Co. Pvt. Ltd. for an invention relating to "vibrating device for silos".

The patent ceased on the 3rd April, 1981 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 26th September, '81. Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 5th Feb. 1982 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

## REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

- Class. 1. No. 150009. Mahadev Industries, No. 61, Kanakapura Road, Basavanagudi, Bangalore-560004, Karnataka. "Fittings of mild steel, aluminium and other metals and their alloys". October 4, 1980.
- Class. 1. No. 150093. Jaiprakash Anant Sathe, an Indian Citizen of 1187/25, Chole Road, Pune-411004, Maharashtra, India. "Catwalk with balustrade for asbestos roof". October 29, 1980.
- Class. 1. No. 150099. Rustom & Company, an Indian Regd. Partnership Firm of 9, Anand Niwas, 'A' Road, Churchgate, Bombay-400020, Maharashtra. "Cam". October 31, 1980.
- Class. 1. No. 150130. Universal Industries of 203, Hammersmith Industrial Estate, Plot No. 416, Off Sitladevi Temple Road, Mahim, Bombay-400016, Maharashtra, a sole proprietary firm. "Opener". November 15, 1980.
- Class. 1. No. 150151. Mrs. Flory Mazareth Baptista, Indian National of 43, Old Police Station Road, Vile Parle (West), Bombay-400056, Maharashtra. "Control Valve". November 25, 1980.
- Class. 1. No. 150156. Sylvex Metal Industries of 20, Municipal Industrial Estate, Vile Parle (West), Bombay-400056, Maharashtra, an Indian sole proprietary firm. "Button". November 25, 1980.
- Class. 1. No. 150156. Sylvex Metal Industries of 20, Municipal Industrial Estate, Vile Parle (West), Bombay-400056, Maharashtra, an Indian sole proprietary firm. "Buckle". November 26, 1980.
- Class. 1. No. 150195. Abhay Industries, an Indian Regd. Partnership Firm of Shivcharan Peth, Akola-444001, Maharashtra, India. "Frame work for a hut". December 5, 1980.
- Class. 1. No. 150224. R. K. Industrial Corporation of 3480, Bajrang Bali Street, Chawri Bazar, Delhi-110006. "Door stopper". December 16, 1980.
- Class. 1. No. 150263. Devinder Electrical & Mechanical Engineers (India) of G-I, Model Town, Delhi-110009, an Indian Company. "Battery Terminal".
- Class. 1. No. 150282. Geetha Industries, a proprietary concern of 120 first floor, Nagnathpet, Bangalore-560002, Karnataka, India. "Tiffin carrier".
- Class. 1. No. 150302. Guru Enterprises of 49, Hemkunt, New Delhi-110048, India. "Door Lock". January 16, 1981.
- Class. 1. No. 150303. Electronic Limited of Gulmarg Corner, 26-N.I.T. Faridabad-121001, Haryana, India, Indian Company. "Artificial Electronic Larynx". January 16, 1981.
- Class. 1. No. 150412. Geep Industrial Syndicate Limited of 28, South Road, Allahabad, Uttar Pradesh, India, an Indian Company. "Torch". February 17, 1981.
- Class. 1. No. 150413. Geep Industrial Syndicate Limited of 28, South Road, Allahabad, Uttar Pradesh, India, an Indian Company. "Torch". February 17, 1981.
- Class. 1. No. 150414. Geep Industrial Syndicate Limited of 28, South Road, Allahabad, U.P., India, an Indian Company. "Torch". February 17, 1981.
- Class. 1. No. 150433. Brush Switchgear Limited, a British Company of P.O. Box-19, Loughborough, Leicestershire LE11 1HL, England. "Housing for outdoor switchgear". February 19, 1981.
- Class. 1. No. 150440. Majestic Auto Limited of C-48, Focal Point, Ludhiana, 141010, Punjab, India, Indian Company. "Moped". February 20, 1981.
- Class. 1. No. 150447. Sheraton & Company, regd. partnership firm of 131, Nagindas Master Road, Fort, Bombay-400023, Maharashtra. "Frame of a sofa cum bed". February 20, 1981.
- Class. 1. No. 150495. Meenu Equipments, Indian partnership firm of Site No. 2, Balaji Nagar Avarampalayam Road, Pappanaickenpalayam, Coimbatore-641018, Tamil Nadu, India. "Mixer". March 2, 1981.
- Class. 1. No. 150518. Tilak Light House of 11/71, Tilak Nagar, New Delhi, an Indian partnership concern. "Handle Bracket to be fixed with pressure cooker". March 11, 1981.
- Class. 1. No. 150563. Royal Industries of 3541-Outab Road, Delhi, an Indian Partnership Firm. "Jar". March 19, 1981.
- Class. 3. No. 150100. Rustom & Company, Indian Regd. Partnership Firm, 9, Anand Niwas, 'A' Road, Churchgate, Bombay-400020, Maharashtra, India. "Cam". October 31, 1980.
- Class. 3. No. 150264. Geep Industrial Syndicate Limited of 28-South Road, Allahabad, Uttar Pradesh, India, an Indian Company. "Dry cell hand torch lantern". December 31, 1980.
- Class. 3. No. 150276. Mohammed Shahabuddin, an Indian National of 23, Queen's View, Juhu Road, Juhu, Bombay-400049, State of Maharashtra, India. "Display device". January 3, 1981.
- Class. 3. No. 150300. Dipty Lal Judge Mal, an Indian Partnership Firm of 19, Rajasthani Udyog Nagar, G. T. Karnal Road, Delhi-110033. "Multipurpose Revolving Pots". January 15, 1981.
- Class. 3. No. 150327. V. G. Plastics of 337, A to Z, Industrial Estate, Forgeson Road, Lower Parel, Bombay-400013, Maharashtra, Indian sole proprietary firm. "Torch". January 28, 1981.
- Class. 3. No. 150374. Nabi Dad Khan, Indian, 199, Chandney Chowk Market, Calcutta-700072, West Bengal. "Stereo Box". February 6, 1981.
- Class. 3. No. 150387. Hindustan Mechanical Toys Industries, an Indian Proprietary Concern of 8800/14-B, Shidipura, Karol Bagh, New Delhi-110005. "Toy (Elephant)". February 7, 1981.
- Class. 3. No. 150450. Meenu Equipments, an Indian partnership firm of Site No. 2, Balaji Nagar, Avarampalayam Road, Pappanaickenpalayam, Coimbatore 641018, Tamil Nadu, India. "A mixer". February 21, 1981.
- Class. 3. No. 150533. Asian Advertisers of 20, Kala Bhavan, 3, Mathew Road, Opera House, Bombay-400004, Maharashtra, an Indian Partnership Firm. "Pen Stand". March 16, 1981.
- Class. 3. No. 150538. Ossa Products of 13, Aziz Estate, 286-B, S. G. Barve Marg, Kurla West, Bombay-400070, Maharashtra, India. A Partnership Firm. "A cap for bottle". March 17, 1981.
- Class. 3. No. 150541. Meenu Equipments, an Indian Partnership Firm of Site No. 2, Balaji Nagar, Avarampalayam Road, Pappanaickenpalayam, Coimbatore 641018, Tamil Nadu, India. "A Mixer". February 21, 1981.

- Class. 3. No. 150650. Shakti Industries, an Indian regd. partnership firm of 53A, Nand Kishore Industrial Estate, Mahakali Caves Road, Andheri (East), Bombay-400093, Maharashtra. "Three pin plug with current indicator". April 6, 1981.
- Class. 3. No. 150658. Azad Brush Company of Madhavdas Pasta Road, Dadar, Bombay-400014, Maharashtra, India. "Top cover for tooth brush-cum-hanger". April 9, 1981.
- Class. 3. No. 150659. Azad Brush Company of Madhavdas Pasta Road, Dadar, Bombay-400014, Maharashtra, India. A partnership firm. "Tooth Brush with top cover". April 9, 1981.
- Class. 3. No. 150660. Bata India Limited of 30, Shakespeare Sarani, Calcutta, West Bengal, India. "A sole for the footwear". April 9, 1981.
- Class. 3. No. 150661. Bata India Limited of 30, Shakespeare Sarani, Calcutta, West Bengal, India. "A sole for the footwear". April 9, 1981.
- Class. 3. No. 150662. Bata India Limited of 30, Shakespeare Sarani, Calcutta, West Bengal, India. "A sole for the footwear". April 9, 1981.
- Class. 3. No. 150664. Indian Engineering Works of 23/35, Samaipur, Badli Station Road, Delhi-110042, India. A partnership concern. "Baby Walker". April 13, 1981.
- Class. 3. No. 150669. N. K. Plastics, a partnership firm of G. T. Road, Jullunder Cantt. 144005, Punjab, India. "Plastic Basket". April 15, 1981.
- Class. 3. No. 150711. Pharma Plastic Private Limited of 608, Yashkamal Station Road, Baroda-39005, Gujarat, a private limited company. "Stand-up Pouches". May 1, 1981.
- Class. 3. No. 150719. Amar Enterprises of No. 17, Ground Floor, 99/101, Keshavji Naik Road, Near Chinch Bunder, City of Bombay, Maharashtra, Indian, an Indian Partnership Firm. "Toys". May 4, 1981.
- Class. 3. No. 150729. Peico Electronics & Electricals Limited of Shivsagar Estate, Block 'A', Dr. Annie Besant Road, Worli, Bombay 18 (WB), Maharashtra, India, an Indian Company. "Television". May 5, 1981.
- Class. 3. No. 150768. Dunlop India Limited, an Indian Company of 57B, Mirza Ghalib Street, Calcutta-700016, West Bengal, India. "Cycle Tyre". May 14, 1981.
- Class. 3. No. 150827. Design Unit, B-101 (WH), Mayapuri Phase I, New Delhi-110027, an Indian Proprietary Concern. "Black-Board". May 29, 1981.
- Class. 4. No. 150232. J. G. Glass Industries Ltd. of Pimpri, Pune-18, Maharashtra, India, an Indian Company. "Transparent Glass Bottle". December 23, 1980.
- Class. 4. No. 150233. J. G. Glass Industries Ltd. of Pimpri, Pune-18, Maharashtra, India, an Indian Company. "Transparent Glass Bottle". December 23, 1980.
- Class. 4. No. 150318. Electro-Photonics India Private Limited, an Indian Company of 15, Sundarnagar, Erragadda, Hyderabad-500038, Andhra Pradesh, India. "Projector". January 24, 1981.
- Class. 8. No. 150388. Hindustan Mechanical Toys Industries, an Indian Proprietary Concern of 8800/14-B, Shidipura, Karol Bagh, New Delhi-110005. "Toy (Elephant)". February 7, 1981.
- Class. 10. No. 150821. Industrial & Commercial Traders of Swastik Industrial Compound, Ram Baug, Swami Vivekanand Road, Malad (West), Bombay-40064, Maharashtra, India, an Indian Partnership Firm. "Foot Wear". May 28, 1981.
- Class. 11. No. 150437. Stretchlon Private Limited of Bombay Cotton Mills Estate, Dattaram Lad Path, Bombay-400033, Maharashtra India. "Socks". February 20, 1981.
- Class. 11. No. 150438. Stretchlon Private Limited of Bombay Cotton Mills Estate, Dattaram Lad Path, Bombay-400033, Maharashtra, India. "Socks". February 20, 1981.
- Class. 12. No. 150317. Modern Cosmetic Industries, Mapusa, Goa (Union Territory), a partnership firm. "Toilet Soap". January 24, 1981.

S. VEDARAMAN

*Controller General of Patents, Designs and Trade Marks*

